

IN THE CLAIMS

Please cancel claims 27-39 without prejudice or disclaimer.

Please amend claims 3, 10, 14, 16, 23, 42 and 49 as indicated below.

This listing of claims will replace all prior versions, and listings, of the claims in the Application.

Listing of Claims:

Claim 1 (original) A method for automatically restoring logon connectivity in a network system comprising the steps of:

establishing a first connection between a client and an Internet gateway;

checking status of said first connection by issuing a first request to said Internet gateway to access a web server utilizing a protocol blocked under a logged off status;

determining whether said web server is accessed from said first request; and

automatically attempting to establish a second connection to said Internet gateway if said web server was not accessed from said first request.

Claim 2 (original) The method as recited in claim 1, wherein if said web server was accessed from said first request then the method further comprises the steps of:

waiting for a first period of time; and

checking status of said first connection by issuing a second request to said Internet gateway to access said web server utilizing said protocol blocked under said logged off status.

Claim 3 (currently amended) The method as recited in claim 2, wherein upon said attempting to establish [[a]] said second connection to said Internet [[service]] gateway the method further comprises the step of:

waiting for a second period of time, wherein said second period of time is less than said first period of time; and

checking status of said attempted second connection by issuing a third request to said Internet gateway to access said web server utilizing said protocol blocked under said logged off status.

Claim 4 (original) The method as recited in claim 1, wherein said first connection is established by a first logon procedure.

Claim 5 (original) The method as recited in claim 4, wherein said step of attempting to establish said second connection comprises the steps of:

terminating said first logon procedure; and
executing a second logon procedure.

Claim 6 (original) The method as recited in claim 5 further comprising the step of:
waiting for a first period of time.

Claim 7 (original) The method as recited in claim 6 further comprising the step of:

checking status of said attempted second connection by issuing a second request to said Internet gateway to access said web server utilizing said protocol blocked under said logged off status.

Claim 8 (original) The method as recited in claim 7 further comprising the step of:
determining whether said web server is accessed from said second request.

Claim 9 (original) The method as recited in claim 8, wherein if said web server is accessed from said second request then the method further comprises the steps of:

waiting for a second period of time, wherein said first period of time is less than said second period of time; and

checking status of said attempted second connection by issuing a third request to said Internet gateway to access said web server utilizing said protocol blocked under said logged off status.

Claim 10 (currently amended) The method as recited in claim 8, wherein if said web server was not accessed from said second request then the method further comprises the [[steps]] step of:

automatically attempting to establish a third connection to said Internet gateway; and

~~waiting said first period of time.~~

Claim 11 (original) The method as recited in claim 1, wherein said protocol is a HyperText Transport Protocol.

Claim 12 (original) The method as recited in claim 1, wherein said protocol is a file transfer protocol.

Claim 13 (original) The method as recited in claim 1, wherein said protocol is a telnet protocol.

Claim 14 (currently amended) A system, comprising:

~~a web server configured to provide access to a web page;~~

~~one or more clients coupled to said web server by way of an Internet gateway;~~

and

~~a router coupled to said one or more clients configured to forward packets of information from said one or more clients to said Internet gateway, wherein said router comprises:~~

a processor;

a memory unit storing a computer program operable for automatically restoring logon connectivity in a network system;

an input mechanism;

an output mechanism;

a bus system coupling the processor to the memory unit, input mechanism, and output mechanism, wherein the computer program comprises the programming steps of:

establishing a first connection between [[said]] one or more clients and [[said]] an Internet gateway;

checking status of said first connection by issuing a first request to said Internet gateway to access a web server utilizing a protocol blocked under a logged off status;

determining whether said web server is accessed from said first request; and

automatically attempting to establish a second connection between said one or more clients and said Internet gateway if said web server was not accessed from said first request.

Claim 15 (original) The system as recited in claim 14, wherein if said web server was accessed from said first request then the computer program further comprises the programming steps of:

waiting for a first period of time; and

checking status of said first connection by issuing a second request to said Internet gateway to access said web server utilizing said protocol blocked under said logged off status.

Claim 16 (currently amended) The system as recited in claim 15, wherein upon said attempting to establish [[a]] said second connection between said one or more clients and said Internet gateway to said Internet service the computer program further comprises the programming steps of:

waiting for a second period of time, wherein said second period of time is less than said first period of time; and

checking status of said attempted second connection by issuing a third request to said Internet gateway to access said web server utilizing said protocol blocked under said logged off status.

Claim 17 (original) The system as recited in claim 14, wherein said first connection is established by a first logon procedure.

Claim 18 (original) The system as recited in claim 17, wherein said step of attempting to establish said second connection comprises the programming steps of:

terminating said first logon procedure; and
executing a second logon procedure.

Claim 19 (original) The system as recited in claim 18, wherein the computer program further comprises the programming step of:

waiting for a first period of time.

Claim 20 (original) The system as recited in claim 19, wherein the computer program further comprises the programming step of:

checking status of said attempted second connection by issuing a second request to said Internet gateway to access said web server utilizing said protocol blocked under said logged off status.

Claim 21 (original) The system as recited in claim 20, wherein the computer program further comprises the programming step of:

determining whether said web server is accessed from said second request.

Claim 22 (original) The system as recited in claim 21, wherein if said web server is accessed from said second request then the computer program further comprises the programming steps of:

waiting for a second period of time, wherein said first period of time is less than said second period of time; and

checking status of said attempted second connection by issuing a third request to said Internet gateway to access said web server utilizing said protocol blocked under said logged off status.

Claim 23 (currently amended) The system as recited in claim 21, wherein if said web server was not accessed from said second request then the computer program further comprises the programming [[steps]] step of:

automatically attempting to establish a third connection to said Internet gateway; and

~~waiting said first period of time.~~

Claim 24 (original) The system as recited in claim 14, wherein said protocol is a HyperText Transport Protocol.

Claim 25 (original) The system as recited in claim 14, wherein said protocol is a file transfer protocol.

Claim 26 (original) The system as recited in claim 14, wherein said protocol is a telnet protocol.

Claims 27-39 (cancelled)

Claim 40 (original) A computer program product having a computer readable medium having computer program logic recorded thereon for automatically restoring logon connectivity, comprising:

programming operable for establishing a first connection between a client and an Internet gateway;

programming operable for checking status of said first connection by issuing a first request to said Internet gateway to access a web server utilizing a protocol blocked under a logged off status;

programming operable for determining whether said web server is accessed from said first request; and

programming operable for automatically attempting to establish a second connection to said Internet gateway if said web server was not accessed from said first request.

Claim 41 (original) The computer program product as recited in claim 40, wherein if said web server was accessed from said first request then the computer program product further comprises:

programming operable for waiting for a first period of time; and

programming operable for checking status of said first connection by issuing a second request to said Internet gateway to access said web server utilizing said protocol blocked under said logged off status.

Claim 42 (currently amended) The computer program product as recited in claim 41, wherein upon said attempting to establish [[a]] said second connection to said Internet [[service]] gateway the computer program product further comprises:

programming operable for waiting for a second period of time, wherein said second period of time is less than said first period of time; and

programming operable for checking status of said attempted second connection by issuing a third request to said Internet gateway to access said web server utilizing said protocol blocked under said logged off status.

Claim 43 (original) The computer program product as recited in claim 40, wherein said first connection is established by a first logon procedure.

Claim 44 (original) The computer program product as recited in claim 43, wherein said programming step of attempting to establish said second connection comprises the programming steps of:

terminating said first logon procedure; and

executing a second logon procedure.

Claim 45 (original) The computer program product as recited in claim 44 further comprising:

programming operable for waiting for a first period of time.

Claim 46 (original) The computer program product as recited in claim 45 further comprising:

programming operable for checking status of said attempted second connection by issuing a second request to said Internet gateway to access said web server utilizing said protocol blocked under said logged off status.

Claim 47 (original) The computer program product as recited in claim 46 further comprising:

programming operable for determining whether said web server is accessed from said second request.

Claim 48 (original) The computer program product as recited in claim 47, wherein if said web server is accessed from said second request then the computer program product further comprises:

programming operable for waiting for a second period of time, wherein said first period of time is less than said second period of time; and

programming operable for checking status of said attempted second connection by issuing a third request to said Internet gateway to access said web server utilizing said protocol blocked under said logged off status.

Claim 49 (currently amended) The computer program product as recited in claim 47, wherein if said web server was not accessed from said second request then the computer program product further comprises:

programming operable for automatically attempting to establish a third connection to said Internet gateway; and

~~programming operable for waiting said first period of time.~~

Claim 50 (original) The computer program product as recited in claim 40, wherein said protocol is a HyperText Transport Protocol.

Claim 51 (original) The computer program product as recited in claim 40, wherein said protocol is a file transfer protocol.

Claim 52 (original) The computer program product as recited in claim 40, wherein said protocol is a telnet protocol.